



PATENT

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Frank C. Turner, Reg. No. 39,863
Name of applicant, assignee, or Registered Rep.
Frank C. Turner
Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

FARSHAD A. BAVARIAN, et al.

GROUP ART UNIT

Serial No. 10/827,187

Filed: April 19, 2004

EXAMINER:

For: APPARATUS AND METHOD FOR
HYDRATION GENERATION

INFORMATION DISCLOSURE STATEMENT

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Sir:

This Information Disclosure Statement is submitted pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, particularly 1.97(b). The documents listed on the attached Form PTO/SB/08a are brought to the Examiner's attention. Copies of these documents are enclosed.

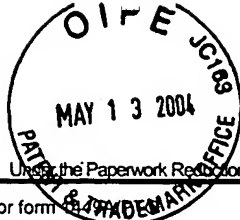
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Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Frank C. Turner", is written over a horizontal line.

Frank C. Turner
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Substitute for form

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

2

Complete if Known

Application Number	10/827,187
Filing Date	April 19, 2004
First Named Inventor	Farshad A. Bavarian, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	X-0170

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	AA	US-2002-0085967 A1	7/4/2002	Yokata	
	AB	US-2002-0110503 A1	8/15/2002	Gittleman et al.	
	AC	US-2003-0113598 A1	6/19/2003	Chow et al.	
	AD	US-2003-0150163 A1	8/14/2003	Murata et al.	
	AE	US-2003-0188993 A1	10/9/2003	Khare et al.	
	AF	US-2004-0063576 A1	4/1/2004	Weston et al.	
	AG	US-3,108,857	10/28/1963	Gorin et al.	
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	AI	US-3,627,478	12/14/1971	Tepper	
	AJ	US-4,108,605	8/22/1978	Billings	
	AK	US-4,360,505	11/23/1982	Sheridan III et al.	
	AL	US-4,566,281	1/28/1986	Sandrock et al.	
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	AN	US-4,696,806	9/29/1987	Peterson et al.	
	AO	US-4,749,558	6/7/1988	Bogdanovic	
	AP	US-5,059,406	10/22/1991	Sheth et al.	
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	AS	US-6,103,143	8/15/2000	Sircar et al.	
	AT	US-6,454,935 B1	9/24/2002	Lesieur et al.	
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	AV	US-6,682,838	1/27/2004	Stevens	
	AW	US-6,685,762	2/3/2004	Brewster et al.	

FOREIGN PATENT DOCUMENTS

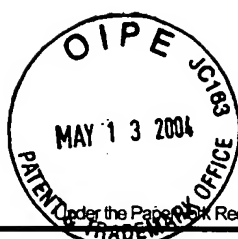
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	BA	EP 1,187,668 (WO 00/76629)	3/20/2002	Connor et al.		
	BB	JP 2000-273472	10/3/2000	Tatsuo et al.		
	BC	JP 2002-208425	7/26/2002	Yukitaka et al.		

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Sheet 2 of 2

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First Named Inventor	Farshad A. Bavarian, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	X-0170

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Alpay et al., "Combined Reaction and Separation in Pressure Swing Processes," <i>Chemical Engineering Science</i> , Vol. 49, No. 24B, pp 5845-5864	
	CB	Berty et al., "Beat the Equilibrium," <i>Chemtech</i> , October 1990, pp 624-629	
	CC	Carvill et al., "Sorption-Enhanced Reaction Process," <i>AIChE Journal</i> , Oct. 1996, Vol. 42, No. 10, pp 2765-2772	
	CD	Han et al., "Simultaneous Shift Reaction and Carbon Dioxide Separation for the Direct Production of Hydrogen," <i>Chemical Engineering Science</i> , Vol. 49, No. 24B, pp 5875-5883 (1995)	
	CE	Heung, L. K., "Separation Using Encapsulated Metal Hydride," U.S. Department of Energy Report No. WSRC-RP-00668, published June 1, 2001	
	CF	Hufton et al., "Sorption-Enhanced Reaction Process for Hydrogen Production," <i>AIChE Journal</i> , Feb. 1999, Vol. 45, No. 2, pp 248-256	
	CG	Kuramoto et al., "Repetitive Carbonation-Calcination Reactions of Ca-Based Sorbents for Efficient CO ₂ Sorption at Elevated Temperatures," <i>Ind. Eng. Chem. Res.</i> , 2003, Vol. 42, pp 975-981	
	CH	Lin et al., "Hydrogen Production from Hydrocarbon by Integration of Water-Carbon Reaction and Carbon Dioxide Removal (HyPr-RING Method)," <i>Energy and Fuels</i> , 2001, Vol. 15, pp 339-343	
	CI	Rizeq et al., "Fuel-flexible gasification-combustion technology for production of H ₂ and sequestration-ready CO ₂ ," Annual Technical Progress Report 2002, October 2002, DOE Award No. DE-FC26-00FT40974, General Electric and Environmental Research Corporation	
	CJ	Saitou et al., "Hydrogen Purification with Metal Hydride Sintered Pellets Using Pressure Swing Adsorption Method," <i>Journal of Alloys and Compounds</i> , Vol. 231 (1995), pp. 865-870	
	CK	Silaban et al., "High Temperature Capture of Carbon Dioxide: Characteristics of the Reversible Reaction Between CaO(s) and CO ₂ (g)," <i>Chem. Eng. Comm.</i> , 1995, Vol. 137, pp 177-190	
	CL	Wang, et al., "Hydrogen Purification Using Fluorinated LaNi _{4.7} Al _{0.3} Alloy," <i>Journal of Alloys and Compounds</i> , Vol. 231 (1995), pp. 860-864	
	CM		

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